

APPARATUS AND METHOD FOR TREATING PRODUCTS WITH ULTRAVIOLET LIGHT

Abstract of the Disclosure

Apparatus and method for treating a product with ultraviolet light. The apparatus includes a chamber having an inlet and an outlet, and an interior space between the inlet and the outlet. An ultraviolet light permeable conveyor is configured to move the product through the interior
5 space from the inlet to the outlet. The conveyor has a top surface which receives the product and an opposite bottom surface. A source of ultraviolet light is coupled to the chamber and is configured to direct ultraviolet light in at least first and second portions within the interior space toward the conveyor. A first reflector is positioned in the interior space
10 and above the top surface of the conveyor such that the first portion of the ultraviolet light is redirected toward the product on the top surface. A second reflector is positioned in the interior space and below the bottom surface of the conveyor such that the second portion of the ultraviolet light is redirected upwardly through the conveyor toward the product on the top
15 surface.